# MasterFlow 648 PART A



Version Revision Date: SDS Number: Date of last issue: -

1.0 09.02.2023 000000507431 Date of first issue: 09.02.2023

## **SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

Product name : MasterFlow 648 PART A

Product code : 00000000050267635

Manufacturer or supplier's details

Company : MB Solutions Australia Pty Ltd

Address : 11 Stanton Road, Seven Hills

NSW 2147

Telephone : +611300227300

Emergency telephone : ChemTel: +1-813-248-0585; Australia: 1-300-954-583

Recommended use of the chemical and restrictions on use

Recommended use : Product for construction chemicals

Restrictions on use : Reserved for industrial and professional use.

## **SECTION 2. HAZARDS IDENTIFICATION**

**GHS Classification** 

Skin corrosion/irritation : Category 2

Serious eye damage/eye irri-

tation

Category 2A

Skin sensitization : Category 1

Short-term (acute) aquatic

hazard

Category 2

Long-term (chronic) aquatic

hazard

Category 2

**GHS** label elements

Hazard pictograms :





Signal Word : Warning

Hazard Statements : H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H411 Toxic to aquatic life with long lasting effects.

# MasterFlow 648 PART A



Version **Revision Date:** SDS Number: Date of last issue: -

09.02.2023 000000507431 Date of first issue: 09.02.2023 1.0

**Precautionary Statements** Prevention:

P261 Avoid breathing mist or vapors.

P264 Wash skin thoroughly after handling.

P272 Contaminated work clothing should not be allowed out of

the workplace.

P273 Avoid release to the environment.

P280 Wear protective gloves/ eye protection/ face protection.

Response:

P302 + P352 IF ON SKIN: Wash with plenty of water.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and

easy to do. Continue rinsing.

P333 + P313 If skin irritation or rash occurs: Get medical ad-

vice/ attention.

P337 + P313 If eye irritation persists: Get medical advice/ at-

tention.

P362 + P364 Take off contaminated clothing and wash it before

P391 Collect spillage.

Disposal:

P501 Dispose of contents/ container to an approved waste

disposal plant.

# Other hazards which do not result in classification

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

# **SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical nature epoxy resin

### Components

Chemical name	CAS-No.	Concentration (% w/w)
Alkyl (C12-C14) glycidyl ether	68609-97-2	>= 10 -< 15
Reaction product: bisphenol-A-(epichlorhydrin)-	25068-38-6	>= 75 -<= 100
Epoxy resin (number average molecular weight		
<= 700)		

### **SECTION 4. FIRST AID MEASURES**

General advice First aid personnel should pay attention to their own safety.

Immediately remove contaminated clothing.

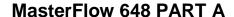
If inhaled If difficulties occur after vapour/aerosol has been inhaled,

remove to fresh air and seek medical attention.

In case of skin contact After contact with skin, wash immediately with plenty of water

and soap.

Under no circumstances should organic solvent be used.





Version **Revision Date:** SDS Number: Date of last issue: -

09.02.2023 000000507431 Date of first issue: 09.02.2023 1.0

If irritation develops, seek medical attention.

In case of eye contact Wash affected eyes for at least 15 minutes under running

water with eyelids held open, consult an eye specialist.

If swallowed Immediately rinse mouth and then drink 200-300 ml of water,

> seek medical attention. Do NOT induce vomiting.

Most important symptoms

and effects, both acute and

delayed

Causes skin irritation.

May cause an allergic skin reaction. Causes serious eye irritation.

Notes to physician Treat symptomatically.

# **SECTION 5. FIRE-FIGHTING MEASURES**

Suitable extinguishing media

Water spray Dry powder

Carbon dioxide (CO2)

Unsuitable extinguishing

media

water jet

Hazardous combustion prod-

harmful vapours nitrogen oxides fumes/smoke

carbon black

Specific extinguishing meth-

ods

The degree of risk is governed by the burning substance and

the fire conditions.

If exposed to fire, keep containers cool by spraying with water. Collect contaminated extinguishing water separately, do not

allow to reach sewage or effluent systems.

Contaminated extinguishing water must be disposed of in

accordance with official regulations.

for fire-fighters

Special protective equipment : Wear a self-contained breathing apparatus.

## **SECTION 6. ACCIDENTAL RELEASE MEASURES**

Personal precautions, protec- : tive equipment and emer-

gency procedures

Do not breathe vapour/aerosol/spray mists.

Wear eye/face protection.

If exposed to high vapour concentration, leave area immedi-

ately.

Use personal protective clothing.

Handle in accordance with good building materials hygiene

and safety practice.

Contain contaminated water/firefighting water. **Environmental precautions** 

Do not discharge into drains/surface waters/groundwater.

# MasterFlow 648 PART A



Version Revision Date: SDS Number: Date of last issue: -

1.0 09.02.2023 000000507431 Date of first issue: 09.02.2023

Methods and materials for containment and cleaning up

Large spills should be collected mechanically (remove by

pumping) for disposal.

Pick up with inert absorbent material (e.g. sand, earth etc.).

Dispose of contaminated material as prescribed.

### **SECTION 7. HANDLING AND STORAGE**

Advice on protection against :

fire and explosion

Product is not explosive.

Advice on safe handling : Avoid aerosol formation.

Avoid inhalation of mists/vapours.

Avoid skin contact.

No special measures necessary provided product is used

correctly.

Hygiene measures : When using, do not eat, drink or smoke.

Hands and/or face should be washed before breaks and at the

end of the shift.

At the end of the shift the skin should be cleaned and skin-

care agents applied.

Gloves must be inspected regularly and prior to each use.

Replace if necessary (e.g. pinhole leaks).

Further information on stor-

age conditions

Keep only in the original container in a cool, dry, well-

ventilated place away from ignition sources, heat or flame.

Protect from direct sunlight.

Materials to avoid : Observe TRGS 509/510 storage rules.

Recommended storage tem-

perature

5 - 35 °C

# **SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

# Ingredients with workplace control parameters

Contains no substances with occupational exposure limit values.

### Personal protective equipment

Respiratory protection : Wear respiratory protection if ventilation is inadequate.

Combination filter for gases/vapours of organic, inorganic, acid inorganic and alkaline compounds (e.g. EN 14387 Type

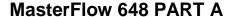
ABEK).

Hand protection

Remarks : Chemical resistant protective gloves (EN 374) Manufacturer's

directions for use should be observed because of great diversity of types. Supplementary note: The specifications are based on tests, literature data and information of glove manu-

Eye protection





Version Revision Date: SDS Number: Date of last issue: -

1.0 09.02.2023 000000507431 Date of first issue: 09.02.2023

facturers or are derived from similar substances by analogy. Due to many conditions (e.g. temperature) it must be considered, that the practical usage of a chemical-protective glove in practice may be much shorter than the permeation time determined through testing.

Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN 374): butyl rubber (butyl) - 0.7 mm coating thickness fluoroelastomer (FKM) - 0.7 mm coating thickness

Suitable materials for short-term contact (recommended: At least protective index 2, corresponding > 30 minutes of permeation time according to EN 374) polyvinylchloride (PVC) - 0.7 mm coating thickness chloroprene rubber (CR) - 0.5 mm coating thickness nitrile rubber (NBR) - 0.4 mm coating thickness

: Safety glasses with side-shields (frame goggles) (e.g. EN

166)

Skin and body protection : Body protection must be chosen depending on activity and

possible exposure, e.g. apron, protecting boots, chemicalprotection suit (according to EN 14605 in case of splashes or

EN ISO 13982 in case of dust).

Protective measures : Do not inhale gases/vapours/aerosols.

Avoid contact with the skin, eyes and clothing.

Avoid exposure - obtain special instructions before use. Handle in accordance with good building materials hygiene

and safety practice.

Wearing of closed work clothing is recommended.

# **SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance : liquid

Color : colourless to slightly yellow

Odor : characteristic

pH : Not applicable

Boiling point : 232 °C

Flash point : 204,4 °C

Flammability (solid, gas) : not highly flammable

Vapor pressure : Not applicable

# MasterFlow 648 PART A



Version Revision Date: SDS Number: Date of last issue: -

1.0 09.02.2023 000000507431 Date of first issue: 09.02.2023

Density : approx. 1,1 - 1,14 g/cm3 (20 °C)

Solubility(ies)

Water solubility : insoluble (20 °C)

Autoignition temperature : No data available

Decomposition temperature : No decomposition if stored and handled as pre-

scribed/indicated.

Viscosity

Viscosity, dynamic : Not applicable

Explosive properties : Not explosive

Oxidizing properties : not fire-propagating

Metal corrosion rate : No corrosive effect on metal.

## **SECTION 10. STABILITY AND REACTIVITY**

Reactivity : No hazardous reactions if stored and handled as pre-

scribed/indicated.

Chemical stability : The product is stable if stored and handled as pre-

scribed/indicated.

Possibility of hazardous reac-

tions

The product is stable if stored and handled as pre-

scribed/indicated.

Conditions to avoid : See SDS section 7 - Handling and storage.

Incompatible materials : Strong acids

Strong bases

Strong oxidizing agents Strong reducing agents

Hazardous decomposition

products

No hazardous decomposition products if stored and handled

as prescribed/indicated.

## **SECTION 11. TOXICOLOGICAL INFORMATION**

# **Acute toxicity**

Not classified based on available information.

# Skin corrosion/irritation

Causes skin irritation.

# Serious eye damage/eye irritation

Causes serious eye irritation.

# MasterFlow 648 PART A



Version Revision Date: SDS Number: Date of last issue: -

1.0 09.02.2023 000000507431 Date of first issue: 09.02.2023

## Respiratory or skin sensitization

#### Skin sensitization

May cause an allergic skin reaction.

# Respiratory sensitization

Not classified based on available information.

## **Chronic toxicity**

# Germ cell mutagenicity

Not classified based on available information.

## Carcinogenicity

Not classified based on available information.

## Reproductive toxicity

Not classified based on available information.

# STOT-single exposure

Not classified based on available information.

### STOT-repeated exposure

Not classified based on available information.

## **Aspiration toxicity**

Not classified based on available information.

## **Further information**

## **Product:**

Remarks : Health injuries are not known or expected under normal use.

The product has not been tested. The statements on toxicology have been derived from the properties of the individual

components.

# **SECTION 12. ECOLOGICAL INFORMATION**

# **Ecotoxicity**

### **Product:**

## **Ecotoxicology Assessment**

Acute aquatic toxicity : Toxic to aquatic life.

Chronic aquatic toxicity : Toxic to aquatic life with long lasting effects.

## Persistence and degradability

# **Product:**

Biodegradability : Remarks: Taking into consideration the properties of several

ingredients, the product is estimated not to be readily biode-

gradable according to OECD classification.

Stability in water : Remarks: The product is slightly soluble in water. It can be

# MasterFlow 648 PART A



Version Revision Date: SDS Number: Date of last issue: -

1.0 09.02.2023 000000507431 Date of first issue: 09.02.2023

eliminated from water by abiotic processes.

## Bioaccumulative potential

**Product:** 

Bioaccumulation : Remarks: Because of the product's consistency and low water

solubility, bioavailability is improbable.

Mobility in soil

**Product:** 

Distribution among environ-

mental compartments

Remarks: The substance will not evaporate into the atmos-

phere from the water surface.

Following exposure to soil, adsorption to solid soil particles is probable, therefore contamination of groundwater is not ex-

pected.

Other adverse effects

**Product:** 

Additional ecological infor-

mation

Do not discharge product into the environment without control.
 The product has not been tested. The statements on ecotoxi-

cology have been derived from the properties of the individual

components.

# **SECTION 13. DISPOSAL CONSIDERATIONS**

Disposal methods

Waste from residues : Observe national and local legal requirements.

Residues should be disposed of in the same manner as the

substance/product.

Contaminated packaging : Contaminated packaging should be emptied as far as possi-

ble; then it can be passed on for recycling after being thor-

oughly cleaned.

#### **SECTION 14. TRANSPORT INFORMATION**

### International Regulations

IATA-DGR

UN/ID No. : UN 3082

Proper shipping name : Environmentally hazardous substance, liquid, n.o.s.

964

(BISPHENOL-A-EPICHLORHYDRIN RESINS M <=700)

Class : 9

Subsidiary risk : EHSM Packing group : III

Labels : Miscellaneous Dangerous Goods, Environmentally hazardous

Packing instruction (cargo

aircraft)

Packing instruction (passen- : 964

8/10

# MasterFlow 648 PART A



Version Revision Date: SDS Number: Date of last issue: -

1.0 09.02.2023 000000507431 Date of first issue: 09.02.2023

ger aircraft)

**IMDG-Code** 

UN number : UN 3082

Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,

N.O.S.

(BISPHENOL-A-EPICHLORHYDRIN RESINS M <=700)

Class : 9

Subsidiary risk : EHSM Packing group : III

Labels : 9 (EHSM)
EmS Code : F-A, S-F
Marine pollutant : yes

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

**Domestic regulation** 

ASIA\_ROAD

UN number : UN 3082

Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,

N.O.S.

(BISPHENOL-A-EPICHLORHYDRIN RESINS M <=700)

Class : 9

Subsidiary risk : EHSM Packing group : III

Labels : 9 (EHSM)

Hazchem Code : •3Z

**SECTION 15. REGULATORY INFORMATION** 

Safety, health and environmental regulations/legislation specific for the substance or mixture

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP): Schedule 5

The ingredients of this product are reported in the following inventories:

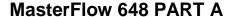
AIIC : On the inventory, or in compliance with the inventory

**SECTION 16. OTHER INFORMATION** 

Revision Date : 09.02.2023

Date format : dd.mm.yyyy

Full text of other abbreviations





Version Revision Date: SDS Number: Date of last issue: -

1.0 09.02.2023 000000507431 Date of first issue: 09.02.2023

AIIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR -Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

AU / EN